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# VICK'S

## ILLUSTRATED MONTHLY

# MAGAZINE.

DEVOTED TO THE PROFITABLE CULTURE OF FLOWERS AND VEGETABLES.

Vick Publishing Co.  
Fifty Cents Per Year.

ROCHESTER, N. Y., DECEMBER, 1893.

{ Volume 17, No. 2.  
New Series.

“JUST LOVELY!”

U. S. Department of Agriculture.



Absolutely the “**New Branching Aster**” has no superior. It is easily grown from seed, and is of great utility and beauty for bedding purposes, coming at a season when there is little else in flower, anticipating as they do the *Chrysanthemum* season by a month or six weeks.

The flowers are borne on very long stems and are pure white, of extraordinary size, being four inches or more in diameter. The petals are broad, long, and many of them more or less twisted and curled in such a manner as to give the blooms the appearance of large, loose and graceful *Chrysanthemums*. The resemblance is so perfect that nearly every one would so consider them when seen as cut flowers. The plant is a strong grower and its tendency to form numerous branches is very marked, therefore it should have more room than the ordinary *Aster*. The plant continues to grow later in the season than any other variety with which we are acquainted, and blooms correspondingly late, thus giving its crop of flowers in late autumn, a season when there is always a scarcity of bloom. One lady says that “from six plants, after the flowers had been frequently cut for several weeks, all the remaining flowers and buds were cut one evening in October, when a heavy frost was expected, and placed in a large vase on the parlor table for three weeks, looking fresh, and the buds opened from day to day.” We want all friends to try this beautiful *Aster* sure; it will please you. Seeds—price 25 cents per packet.

IT IS THE FLORISTS' FAVORITE.

Its immense long stemmed *Chrysanthemum*-like flowers make it an unusually profitable flower to grow. All florists who have seen them greatly admire them, and there is no question that they will quickly find a place for themselves in the flower trade, anticipating as they do the *Chrysanthemum* season by a month or six weeks.

This and other charming Novelties described in our *Floral Guide* for 1894. It will be sent to all customers of 1893; all others must remit ten cents, which can be deducted from the first order.

JAMES VICK'S SONS, SEEDSMEN, Rochester, N. Y.

## Everybody can BID DEFIANCE

To WIND, WATER, FROST AND VERMIN by using The PERFECT

## Neponset Water Proof Fabrics,

At a Much Less Cost than Shingles



They are Indispensable, Economical, Reliable, Substantial and Durable for  
Roofs and Sides of Barns, Sheds, Hen Houses, Greenhouses, Conservatories,  
being Water-Proof, Wind-Proof, Frost-Proof and Air-Tight.

They save fuel, help keep the family warm, the stock and poultry dry and comfortable, and free from vermin, thereby increasing returns. On greenhouses and hot-beds they save heat by their impenetrability, and therefore are THE thing to use. THEY KEEP HEAT IN AND KEEP COLD OUT.

LOOK FOR RED WRAPPERS WITH  
BLUE ENDS, and the TRADE MARK,  
as shown above.

F. W. BIRD & SON, MANUFACTURERS,  
EAST WALPOLE, MASS.

Your Dealer should keep them. Write  
anyway, and at once, for Samples **FREE**



# BEECHAM'S PILLS

(Vegetable)

## What They Are For

Biliousness	jaundice	hot skin	fluttering of the heart
indigestion (dyspepsia)	cramps	ringing in the ears	(palpitation)
sour stomach	colic	dizziness (vertigo)	irritability
sickness at the stom- ach (nausea)	piles (hemorrhoids)	sick headache (me- grim or hemicrania)	nervousness
vomiting	backache	nervous headache	depression of spirits
heartburn	pain in the side	bilious headache	great mental depres- sion
water brash	drowsiness	dull headache	general debility
loss of appetite (ano- rexia)	heaviness	neuralgias	faintness
coated tongue	disturbed sleep	fulness of the stom- ach (distention)	exhaustion
bad taste in the mouth	sleeplessness (insom- nia)	shortness of breath	listlessness
wind on the stomach	nightmare	(dyspnoea)	weakness
(flatulence)	hot and throbbing head	pain or oppression	poverty of the blood
torpid liver	coldness of hands and feet	around the heart	(anaemia) pallor

when these conditions are caused by constipation; and constipation is the most frequent cause of most of them.

One of the most important things for everybody to learn is that constipation causes more than half the sickness in the world, especially in women; and it can all be prevented. They who call the cure for constipation a cure-all, are only half-wrong after all.

Write to B. F. Allen Company, 365 Canal Street, New York, for a little book on CONSTIPATION (its causes consequences and correction); sent free. If you are not within reach of a druggist, the pills will be sent by mail, 25 cents a box.

### HOW TO TAKE THEM

First night, take one at bedtime. If this does not empty the bowels freely, the second night take two. If this fails the third night take three, and so on; for a child old enough to swallow a pill, one pill is the dose.

The object, in the beginning, is to empty the bowels freely.

The dose to go on with is generally one or two pills; but a person very hard to move may require as many as eight for several nights in succession.

The nightly dose should be diminished gradually until a

night can be skipped without missing the stool next morning.

The object now is to keep the bowels regular. The pills do that, if enough and not too many are taken. They do more. See that list at the top of the page.



# VICK'S MAGAZINE.

Vol. 17.

ROCHESTER, N. Y., DECEMBER, 1893.

No. 2.



## HOLLY.

LIKE the school boy who said in his composition that there were five seasons in the year spring, summer, fall, autumn and winter, the thought of holly brings the Christmas season to mind with such refreshing remembrances that almost I feel disposed to call it a fifth season.

Of all evergreens for Christmas decorations among the American and English people holly is the most esteemed, for its beauty and appropriate qualities first, and then for the associations that its long continued and very general popular use has entwined around its green branches.

In the Southern forests it grows in large

groves, generally on low lands bordering bayous, lakes and rivers, and its vigor is such that cutting the branches never diminishes the beauty nor luxuriance of the tree. It is a tree of singularly symmetrical outline and when crowded together in groves by themselves, or among forest trees of various sizes and kinds on all sides, it never grows otherwise than compactly, in a beautifully proportioned pyramidal form, as if the atmospheric pressure was on all sides the same. The foliage is fresh and bright, of emerald green all the year round, but the berries do not brighten with scarlet until after heavy frosts. They remain upon the trees glistening red until the new spring growth starts, affording an endless feast for winter birds.

Although the holly is such a beautiful tree I believe it should never be sent into exile to adorn a foreign soil, as removal from its forest home is almost sure to end in that from which we all shrink, the death of a cherished object. The best directed efforts to transplant the young trees result in failure, even upon the same soil and in the same climate where it naturally grows. With such care as marking one side of the tree and resetting it so as to avoid any change with reference to the points of the compass, the efforts of transplanting are not any more successful. If a tree could be called obstinate then would I apply that term to the holly. Transplanted with utmost care and having soil from the place where it grew placed about its roots and every subsequent attention given, the young trees or shrubs will stand perfectly green without giving one outward sign of decay for months, and then turn yellow and die. Planting a fine young holly tree and waiting to see whether it will live is like giving "Rome three hundred years to die"—and Rome died. The only certain plan of getting holly trees to grow is from seeds, and that is such a slow process that an ordinary human life would be over before the seedlings would attain even tolerable proportions. Therefore it is better to let the holly stand as it does in the Southern forests, their high crowns of perfect adorning, and utilize it for the Christmas tree and for decorations in the home, banquet hall and church.

For the tree itself there can always be found one of a size to suit the apartment the Christmas tree is to adorn, and these can be shipped any distance or used by those near at hand. If the holly suggests obstinacy it also seems brave, as its twigs and branches stand so firmly in place, never unduly bending beneath any burden; no matter what wealth of bonbons, jewelry, books or toys are placed upon the Christmas tree, the lighted tapers will show every gilded ornament and garland of pop-corn in place, not a leaf of the tree bent over them.

As a background for blooming exotics and all



floral decorations for the holiday season it subserves a fine purpose, remaining fresh and green as long as the decorations are allowed to remain in place. Large quantities of holly are annually sent from the South to Northern cities, and it is carried across seas all over the world to English residents. They love the holly and deem it an indispensable feature of the Christmas enjoyments. Our Puritan forefathers discouraged the use of holly and mistletoe, regarding Christmas as a religious festival, but far back in English history the wainscoted halls and thatched cottages gleamed with these beautifully begemmed evergreens, and following the example the people of America have associated holly and mistletoe with the delights of Christmas holidays. Long association renders anything in which we take delight sacred to the heart, and "breathes there a soul so dead" to every tender passion as not to feel the wish, unuttered or expressed, that time might backward turn and make us again a child to feel "that swelling of the heart we ne'er can feel again" amid the charmed circle of home and loved associates, when beneath the holly branches the Christmas festivities are enjoyed.

Nature makes compensation throughout all her works, and if the holly is proverbially slow in growth, the wood is therefore more close-grained and compact, and is now employed as cases for the finest pianos, rivaling the famous rosewood for that purpose, and for binding for costly books. The grain is beautiful and the wood takes remarkably fine polish. Given a choice of books to bind with holly the exquisitely chaste and beautiful "Christmas Carols" and "Christmas Chimes" of Charles Dickens would be where my heart would rest, in their tender sentiments befitting the bright evergreen holly branch

"Which only grows fresher and sweeter  
With mem'ries that years entwine."

Lexington, Miss. MRS. G. T. DRENNAN.

#### TWO USEFUL ANNUALS.

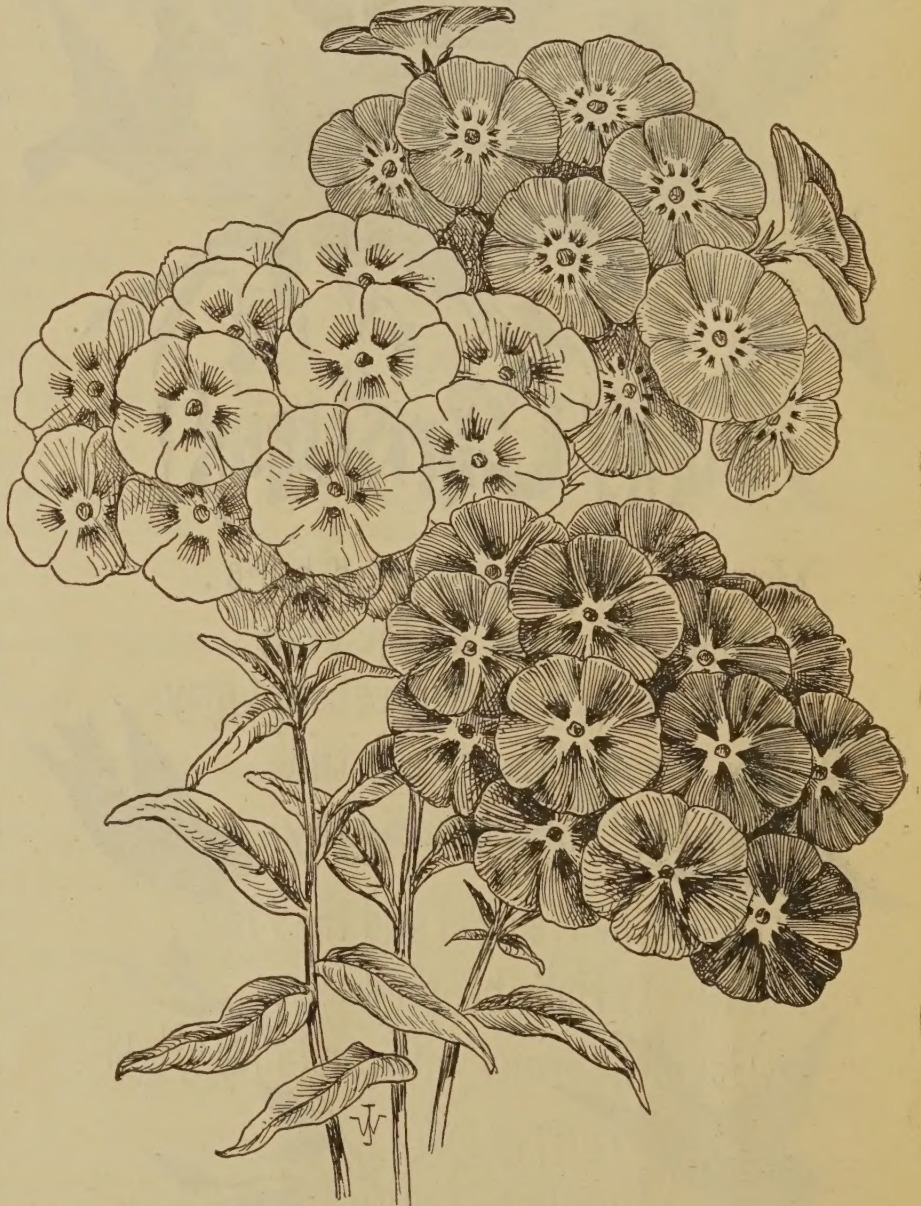
**W**HEN making preparations for the spring planting of flower beds we should not lose sight of the value of the Drummond phlox and the petunia. These plants are easily raised from seeds, both dwarf growing, spreading out over the surface of the ground, blooming profusely all through the fine season and until destroyed by autumn frosts, and the flowers are of bright colors and of beautiful forms. At a very little expense the plants can be raised in great quantities, and the show which they make can not be exceeded by the more costly plants. Whenever it is desired to make a great and permanent display of flowers through the season at a very small cost these are the plants to be employed.

The phlox is more serviceable in many ways than the petunia, principally for the reason that it can be raised in separate colors, and, also, because its flowers stand out and above the foliage in a way that greatly increases the color effect. Excellent ribbon and carpet beds can be made with the plant alone, using as many colors as may be desired. The white phlox is a pure white, leaving nothing to be desired in this respect. The scarlet, crimson, pink and rose colors are all pure and strong and combine and

harmonize well with each other. The plants stand about ten inches in height and when their growth is fully attained a bed of them presents nearly a uniform mass of color. As cut flowers also the different varieties of phlox are very desirable; the clusters or corymbs of flowers can be cut with sufficiently long stems to be used as vase flowers, and they are freely used in florist work. Within a few years has been produced a strain of varieties with larger flowers, known as the grandiflora section. The best variety of white for flower work is the New Double White which was originated in our grounds some years since, it is also the best white for vase flowers.

plants and a greater amount of bloom when the plants were started and planted out early so as to get a good growth before the hottest weather comes. The seed can be sown where the plants are to remain or they can be raised in a seed bed or in the house and then transplanted. In order to have a good development they should not be nearer together than six or eight inches. There is no annual which will give more satisfactory and beautiful bloom than Phlox Drummondii.

The petunia is another free-growing and abundant blooming annual. The large funnel-shaped flowers are bright colored, self or striped



PHLOX DRUMMONDII.

There is now a well established strain of Phlox Drummondii of dwarf size, that is the plants grow only to a height of six or eight inches. They bloom as freely and the colors are equally as good as those of the usual height. On account of their lower growth they are somewhat better for the edges of beds, and decidedly better for carpet bedding, though they have no particular advantage when planted in rows or ribbon style. They make handsome little pot plants and can be used with good effect in veranda and window boxes.

We have always found that we had stronger

and spotted and of many shades. The plants grow quickly from seeds sown in the spring in the open ground or transplanted from the house or frame. Plants set a foot apart will soon cover the whole space. They commence to bloom early and continue till destroyed by frost. It is an excellent plant for window and veranda boxes and vases and will bloom freely in the window all winter with only attention to watering. There are many varieties with flowers large and handsomely spotted and veined. Some of the double varieties are very beautiful but they do not bloom as freely as the single ones and they are



usually cultivated as pot plants. One of the best kinds for bedding purposes is Countess of Ellesmere, the flowers are not so large as some others, but it is a very free and constant bloomer; flowers a deep rose with a white throat. A variety called the Dwarf Inimitable is also excellent for bedding and as a pot and vase plant. The great variety of colors and markings in the petunia become a source of ceaseless interest to one engaged in their culture and a bed of petunias is always bright and showy. The seeds are fine and when sowed need only the slightest covering of the finest soil.

Experienced gardeners well understand the



PETUNIA COUNTESS OF ELLESMERE.

excellent qualities of the two plants which have been here considered and beginners in flower growing will meet with success and satisfaction in making their first trials with these beautiful annuals.

#### THE SIPHON AND AQUARIUM.

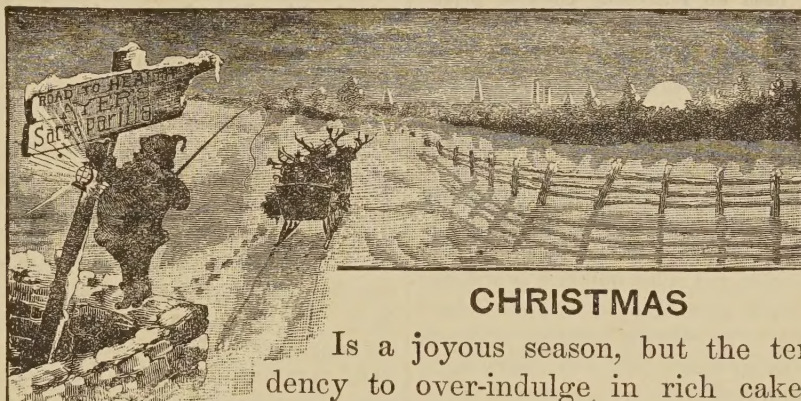
IN the article "The Care of an Aquarium" the suggestion is made that the water be drawn off by means of a siphon. This certainly is the only way of ridding the aquarium of sediment without causing serious displacement of rocks and plants. Experience, however, has taught that the method advised can be improved upon and much pleasure added to the keeping of aquatic life.

For ten years a fish globe, such as is shown in the illustration, was kept with Vallisneria spiralis growing in it, and a bream, or minnow, to keep up the equilibrium. The method suggested was first followed and it was found that more often than not the lips being held a moment too long, the disagreeable result followed of having the mouth filled with the water from the globe. Then, too, the first effort would not always succeed and this unpleasant experience

might be repeated several times before the water flowed through the tube. This detracted seriously from the enjoyment of the "water museum," for besides this globe there were several candy and preserve jars and a square aquarium. Experiments were tried until it was found the following proved very satisfactory: Fill the tube with water, either from the faucet or by laying it in a pail of water; with a finger at either end keep the water in, and, without removing them, introduce one end below the surface of the water while the other is held over the basin at a level below the end of the globe, siphon fashion. Remove the fingers and the water quickly flows through. No application of the lips is necessary at all, and the principle will readily be understood to be the same. It is well to hold the finger at the lower end in readiness, for the suction is very powerful and may draw into the

tube what you had no intention of removing, as a part of your growing plants. If the finger be placed upon it the flow stops at once and the suction having ceased the plant can be liberated without the danger of uprooting it by drawing the tube away. Your smallest fish beetle, etc., may also be saved a journey down the waste pipe by this simple precaution. By a judicious use of this finger you can pick up a particle here and a particle there and really grow quite expert in its manipulation. MATHILDE SCHLEGEL.

SMALL FRUITS.—While you are thinking about the flower and vegetable gardens give a little thought to the small fruits. No garden is what it ought to be unless it has a stock of strawberries, blackberries and raspberries. They require but little attention, and no part of the garden affords more satisfactory returns. (Have small fruits, by all means.) R.



#### CHRISTMAS

Is a joyous season, but the tendency to over-indulge in rich cakes, pies, puddings, candies, etc., weakens the stomach, and brings pain and misery to many in the form of indigestion, biliousness, sick headache, and other ailments of a more or less serious character. To strengthen the stomach and increase digestion, take **Ayer's Sarsaparilla**. It is the best tonic and alterative known to pharmacy. It cures dyspepsia, debility, nervousness, and insomnia. It is also the specific for scrofula and eruptive disorders. It is the best remedy for rheumatism, and the most potent restorative after any wasting sickness. It is the kind you need, and can have no substitute.

## Ayer's Sarsaparilla

Prepared by Dr. J. C. Ayer & Co., Lowell, Mass.

*Cures Others, Will Cure You*

### AYER'S CHERRY PECTORAL

In use for fifty years, is still the most popular and successful of all pulmonary medicines. Taken in the early stages of consumption, it checks further progress of the disease, and even at a later period, it eases the distressing cough, and enables the patient to procure much needed rest. In emergencies arising from croup, pneumonia, bronchitis, sore throat, and whooping cough, it proves a veritable household blessing, affording prompt relief, followed by certain cure.

## Ayer's Cherry Pectoral,

Prepared by Dr. J. C. Ayer & Co., Lowell, Mass.

**Prompt to act, sure to cure**



## A WINTER MORN.

O the wind blows soft from the south today  
And the storm clouds slip from the west away,  
And the day, a new gift from God's good hand,  
Glides down like a dream from the morning land.

O sweet is the breath of the early morn,  
When dew drops glisten on flower and thorn,  
When the thrushes sing and the world is gay,  
In the blithesome time of the blooming May.

But purer than breath of lily or rose  
Is the fresh'ning bracing air that blows,  
When the earth is white with the frost and rime  
The crystaled dew of the winter time.

Hush, hush! then, heart; there shall strength be  
found

In the winds of sorrow which wrap thee round;  
He sends the frost as He sends the rose,  
And what is best for thy soul, God knows.

—DART FAIRTHORNE.

## ARUMS.

THE several species and varieties of arums, and which belong to the natural order Araceæ, form an interesting class of plants. The genus is quite an extensive one, and some species are to be found in nearly all parts of the globe; some of the finer kinds can be found in collections of choice plants where their beautiful foliage and singular inflorescence attract attention. Some species produce the most satisfactory results when grown in the window garden, so I think they deserve all that can be said in their praise, and as they can be procured at moderate rates and as but little care or attention is required to grow them to perfection I have no hesitation in advising amateurs, or others, who desire something odd and interesting to give them a trial.

The arum tubers procured during the autumn months can be potted and started into growth at any time from September to December, but the earlier the better. In potting use pots proportionate to the size of the bulbs and see that they are properly drained, if the pots are one-third filled with drainage it will be none too much.

The soil for them should be about two-thirds turfy loam, one-third well decayed manure and a good sprinkling of bone dust. Mix well and use the compost rough. In potting set the bulbs or corms a little below the surface of the soil and cover them. Do not press them in by force as this may cause the soil to pack under them and when the roots start will lift the bulb. After planting they should be well watered and set away in some dark place to make roots, watering from time to time as the soil becomes dry; they should be left in this condition four or five weeks, or until the pots become well filled with roots, and they then can be brought and placed in a light situation and started into growth, watering as required.

After the blooming period is over growth ceases and the plants gradually pass into a state of rest; this may be known by the gradual decay of the foliage, and the supply of moisture should be gradually reduced. As soon as the foliage has entirely decayed the pots can be stored in any dry situation until it is time to start again the plants to grow.

Propagation is readily effected by offsets which are freely produced; these can be removed when repotting and treated as advised for the older plants. The following are the best and most desirable for general cultivation:

*A. crinitum*, the hairy scathed arum is a native of Minorca, whence it was introduced in 1771. It is of robust growth and is a free bloomer. The flowers are of enormous size, of a reddish-black color, and when fully expanded at first possess a very repulsive odor.

*A. dracunculus*, the "Dragon Flower," is a native of the south of Europe. It is a very remarkable plant, the handsome leaves being palmate in shape and their stalks spotted brown and purple. The great calla-like flower is about a foot in length, of a reddish-brown color with brown markings, and when first expanded has a strong carrion-like smell.

*A. sanctum* is popularly known as the "true Black Calla." It is a native of the Holy Land and is a curious and interesting plant. Its leaves resemble the common calla, but the flowers are large, dark purple above, greenish below, and about sixteen inches long by fourteen inches broad, and the spathe which rises from the center of the flower is about ten inches long with a velvety surface and black in color.

*A. italicum* has dark green foliage, prettily veined with white; flowers white and green, curious and handsome. It can be grown in pots for winter decoration, or in the open border for spring effect as it is quite hardy.

New York.

CHAS. E. PARNELL.

## BRIGHT SPOT ON DARK STREET.

IT was a little one-and-a-half story house on the most miserable looking street in town. Don't tell me that I don't know. Haven't I taken the trouble to go out of my way many a time the past summer that I might feast my eyes on it? No! it hadn't a flat roof, nor a portico, nor a bay window. Nothing of the kind. There wasn't even a fence to protect the bit of yard in front. Other houses much the same in outward appearance stood on either side. That is to say, the style of building was the same, but I'll venture to assert there was not another house in town that would attract the attention of the passer-by as this one I'm writing about.

There was a front door almost hidden by morning glories and scarlet beans. A rude shelf had been put across the bottom of the two windows downstairs and the three upstairs. There were no blinds nor need of them, for sweet peas and morning glories shaded the inmates from the glaring sun and staring pedestrians. Nasturtiums and alyssum drooped over the sides of the old boxes and hid them from view, while petunias, marigolds and asters made many bright spots against the dark background of vines. In the yard every available space was filled with boxes in which grew dahlias, gladiolus, salvias and snow-white feverfew.

You see it wasn't quite safe to have them planted in the open ground in this neighborhood, and yet they did seem to shed such a refining influence all along on that street. Many a tired bread-winner felt it as he hurried to or from his work. Even the street gamins that raced up and down dropped their harsh voices and choked back rough words as they passed.

I've been watching the effect on the inmates of the other houses and the last time I passed the woman next door had a row of old tin cans in the window, bright as soap and water could make them, and little slips were growing in each. The window was open and she sat rocking a baby whose peevish wail betokened any thing but health. One would have expected no end of impatience on the mother's part, but I fancied as she gazed so intently at the pretty green leaves she forgot some of her cares and troubles, and her voice sounded almost sweet as she hummed snatches of an old cradle hymn.

NELLIE STEDMAN WHITE.

## PLANTS FOR THE NORTHWEST.

A lady writing to *Gardening* about her home in Northwestern Iowa mentions the trees, shrubs and herbaceous plants which thrive there. This list may be useful to others in the western and northwestern region and the main points are therefore noted: "Evergreens which are doing well with us, and never winter-kill, are Colorado blue spruce, white and Norway spruce, white, Scotch and Austrian pines, Douglas and blue balsam fir, and green balsam fir, American and Douglass arbor vitæ and red cedar." The writer probably had not tried Siberian arbor vitæ or that would have been included as it is quite as hardy as the American and grows more compactly.

The following deciduous trees are mentioned as capable of standing the winter's cold and summer's heat: The cut-leaved weeping birch, European birch and yellow birch, European and American mountain ash and weeping mountain ash. To these might be added the oak-leaved mountain ash. Catalpa speciosa and the European larch do well. "The wild olive," the writer says, "has silvery leaves and tiny yellow flowers that are delightfully fragrant." Probably this is the "silver berry" or *Elæagnus argentea*. *Populus Bolleana* is mentioned favorably when planted where its silvery leaves will contrast with the foliage of the evergreens. The laurel-leaved willow grows easily and is handsome; the *Amelanchies* is covered in spring with pretty white flowers; the wahoo is mentioned, this is the winged elm, *Ulmus alata*; and the sumach. Besides, the wild thorn, hornbeam and ironwood, with its beautiful bark, are easily transplanted.

The shrubs mentioned are *Spiræa Van Houttei*, *Weigela rosea*, the lilac, *Hydrangea paniculata grandiflora*, snowballs and syringa, *Philadelphus coronarius*. The common Moss roses, the old yellow Harrison, Madame Plantier, single and semi-double *Rosa rugosa* and sweet brier are always to be relied upon for plenty of blooms. The old fashioned red honeysuckle, which probably is the Scarlet Trumpet honeysuckle, *Lonicera sempervirens* and the Virginia creeper are mentioned as pillar and porch climbers.

But few herbaceous plants are noticed. "All common pansies never fail in their royal blooms, and are very fragrant. *Lilium candidum* and *speciosum rubrum* are free bloomers, and very beautiful. Lily of the valley always flings out its fragrant white bells, and *fraxinella* [dictamnus] with its oily fragrance and odd flowers is a great favorite."

This list we are sure could be greatly extended, but it is interesting as a record of actual test.

THE time of year has begun when many subscriptions to VICK'S MAGAZINE expire. Don't fail to renew promptly, as the small cost will be the most economical way you can spend the money if you want to be a successful flower and vegetable grower the year round.

## Reliable Agents WANTED.

One for each County, to introduce and sell our New Varieties of Potatoes.

Good commissions allowed.

Address, with references,

**JAMES VICK'S SONS,**  
Rochester, N. Y.



## Letter Box.

In this department we will be pleased to answer any questions relating to Flowers, Vegetables and Plants, or to publish the experiences of our readers. JAMES VICK.

### Names of Plants.

M. E. H., Hinckley, N. Y. *Goodyera pubescens*.

Mrs. M. S. Parker, Maine. *Bryophyllum calycinum*.

### Geranium Buds not Opening.

What makes the buds on geraniums dry up? The plants bud nicely and then the buds will dry up.  
*St. Clair, Minn.* M. E. P.

In our experience this condition exists only when the plants have been overwatered in dull, cloudy weather. The remedy is to give less water.

### Tuberose.

Please tell me whether a tuberose bulb will bloom a second time. I planted it in the garden last spring and it never made its appearance until September. The blossoms did not open over half way and are now drying off. What is the reason they did not open entirely?  
*Burlington, Wis.* S. D. P.

The bulb was probably started too late, and the weather became too cool for the buds to open fully. The bulb will not bloom a second time.

### Cut Worms.

I had the same trouble for two years with onions that J. N., of North Park, Canada. And not only with onions, but everything in the garden. Then went to experimenting. Took some fresh lime, about two pounds to a pail of water, let it stand over night and poured the water off and sprinkled the beds with it as soon as I saw signs of cut worms. Did this last spring. Result, destruction to the cut worms and a good garden.  
*Pine River, Wis.* G. H. CARPENTER.

### Chinese Sacred Lily.

Will you please tell me how to plant and care for the double Roman sacred lily? I have it in a pot to root now. Must it be planted deep or shallow? Does it require much water? When can I expect it to bloom, and what will I do with the bulb after blooming?  
*Ipava, Ill.* J. C.

The bulb of the Chinese narcissus should be planted shallow, its neck at the surface of the soil. It requires a constant and plentiful supply of water. It will probably bloom in January. After blooming the bulb can be thrown away.

### Clematis Jackmani.

Every fall I cut the vines off close to the ground and cover the roots with manure. In the spring it sends up young shoots from the roots which bloom freely and grow eight or ten feet high. Do I do right or should I lay down the old vine in the fall and get bloom from that?  
*Des Moines, Iowa.* I. H. S.

Pruning away the old wood and growing new ones each year gives larger, handsomer flowers, but fewer of them than when the old wood is left on. To get the greatest number of blooms lay down the old wood in the fall and give it slight protection with leaves or litter, and in the spring cut away a half or more of the old growth.

### Cyclamen.

Will you kindly tell in your columns how to treat the cyclamen bulb? Should it be kept six weeks in a dark place like other bulbs? How should I care for it in the summer?  
*Nebraska City, Nebr.* MRS. M. B.

It is not necessary to keep the cyclamen in a dark place. Give it a warm place, a good light, and water as needed. After blooming gradually withdraw the water, but not wholly. It is

not well to wholly dry off the tubers, though they will need water only occasionally through the spring and summer. By September begin to give them a warm place and care for them regularly.

### Double Callas.

One year ago a friend of mine gave me a cally lily of the dwarf variety. It had several blossoms on it last winter and in the summer I placed it out doors with others in the shade. This fall I put new soil around the roots and brought it into the house. In a few days I noticed an immense bud, which I have watched with great interest, owing to its unusual appearance and size. It has now opened and to my astonishment a beautiful double blossom. Are double calla blossoms common? I have never seen one before.  
*West Acton, Mass.* BURR.

Callas with double flower spathes are not common, yet they have been so often produced they cannot now be said to be surprising, but only interesting.

### Pruning Roses.

Please tell me in your next "Letter Box" how to train my Caprice rose, and when, if the old wood should be cut away. I want to make it a nice shape. One stalk is a foot taller than the rest. Shall not trim it till I see your next "Letter Box."  
*Youngstown, N. Y.* C. H. R.

The best way to prune hardy roses is to keep them low, cutting them back each year in order to get new blooming wood. By keeping the plants low they are less liable to severe injury by frost. How much a plant should be pruned back depends on its strength and vigor. A weak plant, or one of weak growth, should be pruned more severely than a strong growing one; the latter is able to carry more new wood and produce more blooms.

### Stony Pears.

Can you give me any information in your "Letter Box" next month in regard to pear trees? Our pears for the last two years were all stony, hardly fit to use. I would like to know what can be done for them, especially the Bartlett.  
*Callicoon, N. Y.* MRS. H. Y.

The fruits have probably been stung by Curculios. The remedial methods employed for plums would be beneficial with pears. The injury is mostly effected early, while the fruits are small and tender. The most successful method with plums is jarring the trees early in the morning, while the insects are comparatively sluggish. A sheet is placed under the tree which is struck a sharp blow with a mallet. To prevent injury to the tree a small limb is cut off, leaving a short stump and against this is placed a stick, the end of which receives the quick, hard rap of a mallet, thus dislodging the insects, which are caught on the sheet and destroyed. Spraying the foliage with a weak mixture of paris green in water is also practiced, but not always with satisfactory results. One pound of paris green to 250 gallons of water is sufficient if kept well stirred.

### Grafting Fruit Trees.

I have been in that line for sixty years and have experimented in every way imaginable. First, cherries should be grafted while the frost is in the ground; plums next in order; pears next; apples can be grafted any time if the scions are kept good. The best growth of apple scions I ever put in, was put in June 10, scions leaved as large as a penny. The time to cut scions is in March. Tie them in bundles, stick them in the ground four inches deep on an angle, shade them by a board set up to keep the sun off. Leave but two buds on a scion and cover both with wax to keep the black snap bugs from eating them. I graft limbs the size of a pipe stem to four inches, splitting the large one, putting in four scions, and where a limb is large and the scion is small I drive in

wedges to keep from pinching the scion to death, cutting them off even with the stub before waxing. It is useless to graft crabs with common apples. There are many kinds of wax and liquids for grafting, but there is only one kind of wax that is good for grafting.

*Recipe.*—1 pound good (grass fed) beef tallow,  
2 pounds of good beeswax,  
4 pounds of common rosin.

Melt slowly, stirring until there are no lumps, pour into cool water and with greased hands pull like molasses candy till it is the same color. This will not melt in the sun, be it ever so hot, nor crack in the winter.

I graft plums, apples, pears, small trees one year from seed by splitting, cut the stub off on angle and match the scion, the bark to one side of the bark on the stub, tie the splice with some small not very strong string and cover with wax. In this way I have them grow five and a half feet the first season.

Please give this a place in your Magazine for the benefit of B. R. H., of Dysart, Iowa, who inquired in the August number, and others. W. H. H. L.  
*Warren, Mass.*

### A Successful Plant Grower.

A fine package of bulbs was duly received and I have them now, October 30, all potted, and shall await their blossoming with impatience. I am trying cinerarias this year, and judging from my thrifty looking plants, shall have a fine show bye and bye. Have also some seedling chrysanthemums that are budded; one very handsome one is just opening. Begonias are very satisfactory, as they can be grown away from the windows. I have one with very large leaves very much the shape of ricinus leaves; it is quite a tropical looking plant, having large clusters of pale pink blossoms in spring. I do not know its name. I have a double scarlet tuberous rooted begonia just beginning to blossom and a large number of other varieties. The Chinese primrose I have always found very satisfactory, the old plants blooming year after year, in fact the only trouble I have is their determination to blossom too much. When the plants get too scraggly I start new ones from the offshoots. I repot them every year and have as large blossoms from the old plants as from the new. I think next spring I must have a Christmas rose, for I saw one in blossom last week; it is very pretty, and the lady told me that by putting a box over the plant she could pick them all winter. Only to think of the cheery little plant blossoming amid snow and ice like some brave spirit struggling through clouds of adversity. The winter blooming plants, how I love them!

Bring flowers, sweet flowers, to cheer us and bless,  
When wintry winds blow from the east and the west;  
And under the snowdrifts, the dead summer rests,  
With the blossoms she nurtured, clasped close to her breast.

But ere she had left us, and vanished away,  
We stole from her splendor a lingering ray,  
And the sunshine imprisoned in leaflet and spray  
Will brighten the gloom of each dark winter day.

*Bridgewater.*

MRS. E. L.

## A Powerful Flesh Maker.

A process that kills the taste of cod-liver oil has done good service—but the process that both kills the taste and effects partial digestion has done much more.

**Scott's Emulsion** stands alone in the field of fat-foods. It is easy of assimilation because partly digested before taken. *Scott's Emulsion checks Consumption and all other wasting diseases.*

Prepared by Scott & Bowne, Chemists,  
New York. Sold by druggists everywhere.



**Little Gem Calla.**

In reply to a query in the "Letter Box" of the Magazine for November, will say, I bought a Gem calla of Vick last spring which give a similar result in growth through the summer to the one there described. I repotted mine this fall, placed it in an east window, gave it a little "Bowker's Ammoniated Food" and it immediately began to grow vigorously. I used the common soil of woods and garden with a little sand as I had prepared for ordinary plants. I believe the little bulb came to me "tired and hungry." It has rested through the summer and is now ready to "eat and grow."

A READER.

**Tuberous Begonias.**

Can you tell me how to treat my tuberous begonias? I have four. I had them in pots and they have bloomed through the summer and fall, and now I don't know if they need to rest or not.

Montpelier, Vt.

MRS. A. N. C.

Dry off the plants and let the tubers remain in the soil, keeping them in a dry place, away from frost. Leave them until the last of February and then remove and repot and start again to grow.

**Cereus—Cactus—Gloxinia.**

Please tell me whether night blooming cereus should be kept with other plants in sitting room in winter or put in cellar. Also whether the crab cactus and gloxinia after blooming should be put in cellar.

Sherwood, N. Y.

H. C. H.

The cereus and the crab cactus should be kept through the winter in a warm place and comparatively dry. It will not do to store them away in a cellar. The gloxinia after blooming can be dried off and the bulbs allowed to remain undisturbed in the dry soil during winter, keeping the pots away from frost.

**Chinese Narcissus after Blooming.**

Please excuse me for intruding on your valuable time. In the October number of the Magazine I see this question asked about the Chinese sacred lily by F. G. S., "Will the Chinese sacred lily bloom the second season; if so, what treatment is required after blooming?" The answer is that "the Chinese lily is worthless to bloom the second time in water; throw it away after blooming." From my own knowledge I can say that after it has bloomed in water the tops can be cut off and the bulb put in the ground, and the next year after there will be a fine lot of blooms. Try it, as I know, for my yard is full of them given me by Chinese cook, and vegetable peddler. Mrs. M. S. Grimes, Cal.

This treatment may do for California and other mild climates, but the probability is that the Chinese, like other Polyanthus narcissus, will not stand the winter in the northern regions.

**Spotted Calla.**

I have very little knowledge of botany, but I have read that the flower of the calla lily is not a true flower, only another form of a leaf. The petal being called a spathe, and the pistil a spadix. Last summer we had a spotted calla which bore a good sized flower, about like that of an ordinary calla. Instead of withering, the flower turned green and almost as tough as leather. The top became heavy and I noticed that seeds were forming. Before they were ripe one of the family cut off the stem, thinking it useless. I here-with inclose some of the seeds, hoping they may be a curiosity. I am sorry they were not allowed to ripen.

Branchtown, Pa.

B. M. S.

The changes here described in the flower spathe of the spotted calla are not at all strange and are only those which commonly occur. The reversion of the white spathe to a leafy appearance is interesting, and may serve as an occasion to speculate on the theme of evolution to those so inclined. The spathe is white only during its early stages, while fructification is taking place.

**Oleanders.**

I have just read an article in the November Magazine by Beth Day on the culture of oleanders, which is very interesting and may prove to be highly profitable to many. It is not of that article I write, but I wish to tell your readers something I think may be

new and interesting, and also to ask for information. We have an oleander which will be three years old next spring. About the last of August or the first of September we discovered a seed pod on it and it remains there yet; its length is five inches, diameter one-half or three-fourths inches, and like the leaves, it is green yet. So much for what I have to tell; and now for what I want to find out. Will the seed of the oleander produce its kind? How to tell when to pick the pod from the stem? What care to give the young plants if they grow? Who will answer?

Postville, Iowa.

W. F. D.

Seeds of the common red or of the white oleander will probably produce their kind. From seeds produced by hybrid varieties the plants might be different. It will be easy enough to tell by the yellow dry pod when the seeds are ripe. In planting cover the seeds shallow in light soil, keep moderately moist until they have germinated and in a warm temperature. As growth progresses give water liberally.

**Success with Seeds.**

We have raised the Golden Nugget sweet corn now two seasons. This year we had a big crop of it and we think it the sweetest corn we ever ate, and it is the earliest and largest early corn raised here. Then our Emerald Gem musk melons we consider perfection. They were early, very rich in flavor, and prolific bearers; a small melon, but thick meat and sweet, I never ate a better. The All Season cabbage I consider the best there is for the home garden. I am raising the second crop of radishes from seed purchased last February. The Long Scarlet Short-Top for the family garden I think is the best. I am well pleased with McCullom's Hybrid tomato. It is very solid and sweet and unsurpassed for canning. The Chinese Pink has given me a world of bloom all summer, and I have some potted for winter, although here there is no trouble in keeping them out of doors. I have all kinds of geraniums still in the garden without being hurt by the frost, and my oleander is in bloom. My sweet peas have been in blossom all summer. Last winter I could pick pansies at any time, but I want plants in the house so that when the storms come I can have the comfort of them. My pelargoniums will bloom this winter, for the ones I had in the garden this summer bloomed constantly, but those I have in the house were cut back in July and now are full of new branches that ought to give flowers before Christmas.

Your Magazine I prize very much and would not like to do without it, but it makes me want to send for pretty things that I can't afford and that I am not fixed to take care of if I had them.

F. P. B.

Pleasant Valley, Cal.

**Grape Vine—Rose Bush.**

I would like to ask of you a little advice in regard to the time and method of trimming grape vines. I have a splendid vine. I have also a splendid rose bush that I must transplant, and will you tell me when and how to do it? It stands now under the shadow of a tree and does not do well.

MRS. M. J. M.

Mason, Mich.

The grape vine can be trimmed now or any time before March. As to methods, these are various but all of them conform to the principle of reserving a certain amount of the wood growth of the previous season and cutting away the rest. By the renewal method two or more of the new canes are left and bent down and fastened in a horizontal position as arms from the buds of which new, upright, fruit-bearing canes are produced the following spring. Sometimes four or five of the new shoots are left and, instead of being bent horizontally are trained in fan shape, all others being cut away. What is known as spur pruning consists in leaving only two or three buds of the new growth and cutting away the rest of the cane; enough of these spurs are left to give sufficient wood for the new crop, the number of which will depend on the strength of the vine. An old, well established vine can be left with more of the new wood than a young or weak one. Grape vines should be pruned regularly every year, pursuing a well planned method. Experience will enable one to decide how much wood to leave and how much to prune away.

It will be better to move the rose bush in the spring, cutting off the top within a foot of the ground. Transplant into well enriched, mellow soil.

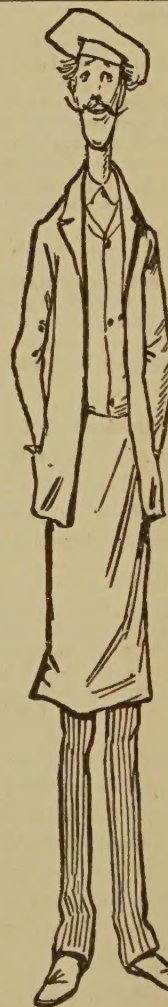
**Chrysanthemums in the Garden.**

On a recent trip to the central part of Pennsylvania I saw in the yards and gardens bunches of large fluffy yellow and white flowers that closely resemble our much-prized and hard-to-be-obtained chrysanthemums. Now, if they are a variety of that flower, in what way do they differ from those we have to pet so much, as those I saw were in great clumps and must be hardy as they were in full bloom the first of November. The very remembrance of them as I caught glimpses of them from the car window is a positive delight and I want to know all about them and, if possible, be the possessor of some myself. J. C. T.

Honesdale, Pa.

The Chinese chrysanthemum is nearly hardy in this climate, requiring only a slight protection. The blooms are apt to get cut with the frost some seasons, but when the autumn is mild they will frequently bloom for several weeks. No systematic effort has been made to test the hardiness of different varieties and it can be learned only by trial.

If our readers should plant out any chrysanthemums next spring to remain, the names of the varieties should be preserved and reports made of the results after the blooming season is past, and also after passing through a winter in the open ground. There is no trouble in keeping out chrysanthemums in mild climates, and from Virginia southward, and in California, it is constantly practiced. Even here such plants are occasionally seen.



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So do all cooks; and the puzzle for every one of them has been how to avoid sodden pastry. The problem has now been solved by the

### NEW VEGETABLE SHORTENING

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which makes light, crisp, wholesome and easily digested pastry. The most famous cooks in the country say so, and you will also after a fair trial. Make it now.

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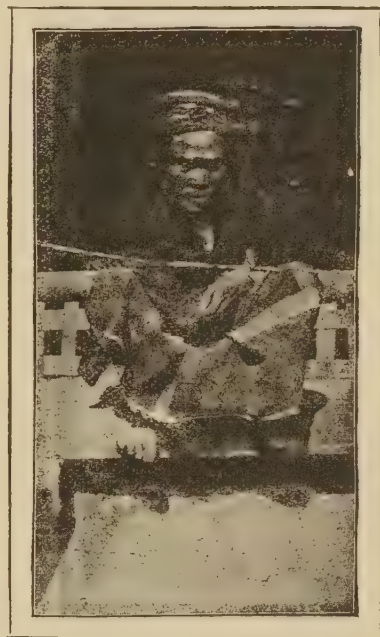
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AN INSTANTANEOUS PHOTOGRAPH IN THE  
JAVA VILLAGE.

cles from E. C. Stedman, Frank R. Stockton, Mary Hallock Foote, Mary Mapes Dodge, Kate Douglas Wiggin, George W. Cable and many other well-known writers.

"Wide Awake" has just been consolidated with ST. NICHOLAS, which, including all the other magazines that have been absorbed, is now **SEVEN MAGAZINES IN ONE!**

ST. NICHOLAS is the one great periodical for boys and girls, and no home in which there are young folks should be without it. It costs \$3.00 a year. By the special offer named herewith we are offering the greatest holiday book of this season free of charge to all readers of "Vick's Illustrated Monthly Magazine" who will become subscribers to ST. NICHOLAS.





ROCHESTER, N. Y., DECEMBER, 1893.

Entered in the Post Office at Rochester as "second-class" matter.

*Vick's Monthly Magazine* is published at the following rates, either for old or new subscribers.

These rates include postage:

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One copy twenty-seven months (two and one-fourth years), full payment in advance, One Dollar.

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**Free Copies.**—One free copy additional will be allowed to each club of ten (in addition to all other premiums and offers), if spoken of at the time the club is sent.

All contributions and subscriptions should be sent to Vick Publishing Co., at Rochester, N. Y.

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All communications in regard to advertising to Vick Publishing Co., New York office, 38 Times Building, H. P. Hubbard, Manager.

Average monthly circulation 200,000.

MR. EBEN E. REXFORD requests us to state that he has not been connected with *Success With Flowers* since last August.

#### THE BOOK OF THE FAIR.

Each successive number of *The Book of the Fair* lets us more and more into the plan of the work, which is such, while avoiding too lengthy description, as to cover the entire ground with sufficient detail, and present in permanent form all the characteristics of the great Exposition. The Fair itself has now passed away with the many object lessons which it presented, but these lessons are not lost even for those who did not witness them. The Book of the Fair, by Hubert Howe Bancroft (The Bancroft Company, Publishers, Auditorium Building, Chicago), is for all educational purposes better than the Fair itself, just as one can learn more from a good book on geology than from even the everlasting hills. The Book of the Fair presents the entire Exposition within reasonable limits, in a clear and condensed manner, and in permanent form. He who has this book has the Fair always with him, and may draw from it as from a living spring of learning.

#### AN OLD GARDEN.

Such is the title of a book of verses by Margaret Deland, decorated by Walter Crane and published by Houghton, Mifflin & Co., of Boston. The title of the volume is taken from that of the principal poem descriptive of an old garden, long neglected, remaining in the heart of a city which has grown up around it, and where still, amid weeds and grass, continue to grow and bloom various plants which have lived on from the time they were nurtured by some fair hand.

"Yet, though untended, still the garden glows,  
And 'gainst its walls the city's heart still beats,  
And out from it each summer wind that blows  
Carries some sweetness to the tired streets!"

Many of the poems are addresses to flowers

or descriptions of them, all very neat and pretty in their way. Besides these are collections of poems relating to "Nature," "Love Songs," "Poems of Life" and "Verses for Children."

The artistic work on the book by Walter Crane is something unique and admirable. A separate study has been made for each page and an illustrative design produced which is printed in two or three colors. These designs are remarkable for their appropriateness and grace, and the execution is beyond criticism. As a presentation book nothing could be more desirable. In issuing this volume the publishers have well exemplified their trade-mark motto, *Tout bien ou rien*.

#### AN ARTIST'S VIEWS OF NATURE.

One of the most readable books to one who loves nature, is one entitled "Letters to Marco," and lately published by Macmillan & Co. The author is an artist, George D. Leslie, member of the Royal Academy. He lives in the country in England, on the side of the Thames. His residence is called Riverside and here he has a garden which he cultivates himself, for exercise and what it affords. The writings are actual letters written to his friend Marco during a series of recent years, in which he discourses on topics of nature, plants and animals, trees and birds, insects, worms, toads, snails, and fish, and many interesting observations are made, much after the manner of those of the famed White of Selborne.

Here is what he says of tulips: "My tulips have been simply perfect; I made some studies in oil from them, only the worst of flower painting is that no pigment comes the least like nature, whilst the flowers keep moving and altering every instant as you paint. Do you know the parrot tulips? In color and quaint form these surpass all; some I have of exquisite feathery grace, quite Venetian in color, with dusky gray and golden streaks on red grounds of various shades, from bright orange to deep scarlet lake.

"Gerald says of the tulip that it is named after the 'Dalmatiane or Turk's cap, called Tulipan, Tolepan, Turban, and Turfan, and that it is a flower with which all studious and painful herbarists desire to be better acquainted with, because of that excellent diversitie of most brave flowers which it beareth.'"

Here is a most truthful observation, as all plant growers will agree: "Flowers, however, must be seen growing *in situ* to enjoy them properly. Descriptions of their beauty are of little value; even the pleasure derived from cut flowers, as decorations for our rooms, is as nothing to that which is felt by those who plant, nurture and water their growth from bud to seed-time."

#### A HAPPY THOUGHT.

Whether all readers of this paragraph went to the World's Fair or not, they certainly must have been intensely interested in the descriptions of it in various publications, and the stories told about it by those who were so fortunate as to go. Those who did not go, can see the whole thing as it was, pictured in perfect miniature in that magnificent Christmas book issued by the Century Co., and advertised on another page, "The World's Fair Book, A Souvenir of the Fair." Hundreds of pictures and hundreds of pages,

filled to the brim with wonders and marvels and miracles that were shown at this greatest of all World's Fairs.

We especially urge each and all of our readers to take advantage of the grand offer made by the Century Co. in their whole page announcement, as in addition to the book above mentioned, they will receive that most entertaining magazine of "St. Nicholas" for one year.

This magazine with the influences which it will have in the family, will do more to make the young people love their homes, and be good earnest and honest men and women, than anything else we know of. Our readers will notice that this announcement is one made especially to the readers of VICK'S MAGAZINE, and in order to take advantage of its privileges, you must mention that you are a subscriber or reader of VICK'S MAGAZINE.

*St. Nicholas* in itself is well worth the subscription price of \$3.00, and when they give a book that is also well worth the price, \$1.50, then our readers can see that the Century people are making a handsome Christmas present.

ROUND POND, ME., Oct. 26, 1893.

Geo. Ertel & Co., Quincy, Ill.:

DEAR SIRS—We have just finished our third hatch, and are indeed pleased with our success, having hatched 95 per cent. of the fertile eggs. Our first hatch was something like 85 per cent., the second a little better, and the third a complete success. The chickens are all doing well.

Several parties have spoken of getting your incubator in the spring. They say it is the best they have ever seen.

We trust every machine you sell will give the satisfaction this one does.

Yours respectfully,

GEO. M. ELLIOTT & Co.

## HOW SHE SAVED \$9.90.



She wanted one of those fashionable capes with a triple collar, but the price was \$10 and times were hard. She was telling Mrs. Handyman about it. "But why don't you buy a package of **Diamond Dyes**, and color that old drab cloth circular of yours?" said Mrs. H. "That faded, shabby old ——" "No matter how old and shabby it is," interrupted Mrs. H., "**Diamond Dyes** will make it just like new." "But I don't know how," Mrs. H. laughed and said: "Why, it's the easiest thing in the world, if you use

## Diamond Dyes."

And the end of it all was, she bought a package of **Diamond Dyes** for 10 cents, and colored that old cloak a rich brown, to match her new dress, and everybody complimented her upon her stylish new coat.

Anybody can color anything with **Diamond Dyes**. Direction book and 40 samples colored cloth, free.

WELLS, RICHARDSON & Co., Burlington, Vt.



**MUSICAL CLOCK** & Box Combined. Runs 8 days, keeps perfect time & furnish constantly all the most charming & popular tunes. Plays anything from a simple song to a difficult waltz or operatic selection. To introduce it, one in every county or town furnished reliable persons (either sex) who will promise to show it. Send at once to Inventor's Co., New York City, P. O. Box 2252.



## A MICHIGAN MIRACLE.

### BETWEEN LIFE AND DEATH.

**A Singular Story of a Detroit Molder—A Terrible Battle Which Lasted Months—One of the Remarkable Incidents Bordering on the Romantic.**

(From the Detroit Free Press.)

Thomas Hagen was seated in a comfortable rocking chair at his cozy home, 1289 Russell Street, yesterday morning, when a visitor was announced. The gentleman arose and greeted the new comer with the grace of a diplomat, and as he opened up a conversation it was evident that Mr. Hagen was a person of more than ordinary intelligence. To his visitor the remarkable changes and peculiar career of this man was a source of much interest. The wonderful transformation in his appearance within the past two years is itself worthy of the study of a scientist. Mr. Hagen, a couple of years ago, was so weak and emaciated that to-day he does not seem the same individual.

Rheumatism was the cause of his terrible sufferings.

He is a Detroitier by birth, having first seen the light of day in this city 36 years ago. When quite a boy he was apprenticed to the molder's trade, and ever since he has followed this avocation. He is quite a prominent member of the local Stovemolder's Union, and can be found nearly every Saturday night in attendance at the meeting of the order. About two years ago Mr. Hagen became seriously affected with rheumatism, the result of working in draughts of cold air.

"The shooting pains of rheumatism are actually, I believe, the most horrible penalties that can be inflicted on mankind. I can not begin to tell you of the agony I suffered. I had a thorough experience in the art of torture, and no matter what I used to ease the pain, it seemed as though I was doomed to greater suffering. I had a number of friends who took great interest in my case, and recommended numerous remedies, which I tried without avail. Nothing seemed to do me any good. I was under the care of several well-known Detroit physicians, but their services were absolutely without favorable results. I was bedridden. Why, I could not move from one chair to another without assistance. Some days I would feel a little brighter than others.

"But presently another attack of that infernal rheumatism would strike me, leaving me a veritable wreck on the barren shores of humanity.

"By accident I read two years ago a Canadian paper containing a remarkable story of a miracle at Hamilton, Ont. It was that of a man who was tortured to death by rheumatism. He was induced to use Dr. Williams' Pink Pills for Pale People. He was immediately cured. I doubted the truth of the matter at first, but thought I would try it. I had my people hunt all over town, but they could not find the pills at any of the drug stores. The only place they were then sold at was over in Windsor. Well, my relatives went over there and purchased a few boxes. Great Christopher! but my mind goes back in ecstasy to the change which immediately came over me after using the Pink Pills. I began to improve, and in a few weeks rheumatic pains left me, and in a short time I was able to be out and around. From that time I have been at work.

"It was not long after I secured the pills over at Windsor that I found they were for sale here in Detroit, at Brown & Co.'s, corner of Woodward and Congress, Michell's and Bassett & L'Hommedieu's, Woodward avenue. I purchased them for fifty cents per box. I guess you can buy them now at almost every drug store in Detroit.

"I have recommended the Pink Pills to several of my friends around town, and although their cases were similar to mine, they have all

been cured. There is nothing on the face of God's earth equal to them for rheumatism and other diseases. Until my dying day I will praise the pills for being the cause of my present happy and contented condition."

Dr. Williams' Pink Pills are not a patent medicine in the sense in which that term is usually understood; but are a scientific preparation successfully used in general practice for many years before being offered to the public generally. They contain in a condensed form all the elements necessary to give new life and richness to the blood, and restore shattered nerves. They are an unfailing specific for such diseases as locomotor ataxia, partial paralysis, St. Vitus' dance, sciatica, neuralgia, rheumatism, nervous headache, the after effects of la grippe, palpitation of the heart, pale and fallow complexions, that tired feeling resulting from nervous prostration; all diseases depending upon vitiated humors in the blood, such as scrofula, chronic erysipelas, etc. They are also a specific for troubles peculiar to females, such as suppressions, irregularities, and all forms of weakness. They build up the blood and restore the glow of health to pale or fallow cheeks. In the case of men they effect a radical cure in all cases arising from mental worry, overwork, or excesses of whatever nature.

These Pills are manufactured by the Dr. Williams' Medicine Company, Schenectady, N. Y., and Brockville, Ont., and are sold only in boxes bearing the firm's trade mark and wrapper, at 50 cts. a box, or six boxes for \$2.50. Bear in mind that Dr. Williams' Pink Pills are never sold in bulk, or by the dozen or hundred, and any dealer who offers a substitute in this form is trying to defraud you and should be avoided. Dr. Williams' Pink Pills may be had of all druggists or direct by mail from Dr. Williams' Medicine Company from either address. The price at which these pills are sold makes a course of treatment comparatively inexpensive as compared with other remedies or medical treatment.

### THE HORTICULTURISTS.

The Thirty-ninth Annual Meeting of the Western New York Horticultural Society will be held in Rochester, N. Y., January 24, 1894. Fruit-growers always look forward to this convention with the deepest interest. Particularly was this manifest last January, when the attendance exceeded that of any previous meeting, the membership roll rising to nearly four hundred; and it is expected to reach the five hundred mark at the forthcoming anniversary. Valuable papers, county reports, and discussion of practical questions by practical men, make up a splendid program. Every horticulturist within two hundred miles of Rochester should belong to this organization. The secretary is John Hall, 406 Wilder Building, Rochester, N. Y.

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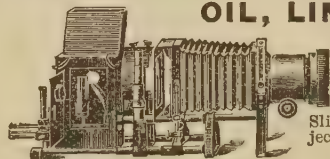
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**MAXIMUM OF FRUCTIFICATION.**—In the great Northwest, the region of vigorous winters, cold, moist springs and dry but intense summers, the undue luxuriance of stem and foliage is checked in the earlier stages of growth, greatly to the advantage of the fruit and seed. This vigor given to vegetation in cold climates by the rapid increase and prolonged action of summer heat has been well formulated by Dr. Samuel Farry in an article on "The Acclimating Principle of Plants," published many years ago in the *American Journal of Geology*. He states as a universal fact that the cultivated plants yield the greatest product near the northernmost limit at which they can be grown. His illustrations include nearly every plant known to commerce and used either for food or clothing. Cotton is a tropical plant, but yields the best staple in the temperate latitudes. In the rich lands of the Middle States corn will often produce 50 or 60 bushels to the acre, but in New York and New England agricultural societies have awarded prizes for yields of 125 bushels to the acre. The Irish potato comes to full perfection only in northern latitudes or cool moist insular situations, as in Ireland. In the South the sun forces the potato on to fructification before the roots have had time to attain the proper qualities for nourishment. As a further illustration Consul Taylor cites the fact that in Iowa, near the southern border of the spring wheat region, seldom more than two well-formed grains are found in each cluster or fascicle forming the row; in Northern Minnesota, Dakota and Manitoba three grains become habitual, while in wheat from Prince Albert on the Saskatchewan, and Fort Vermilion on the Peace River, each cluster is made up of five well-formed grains.—From Mr. S. A. Thompson's article, "Possibilities of the Great Northwest," November Review of Reviews.

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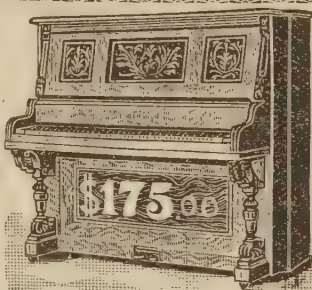
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**A ROSE-COLORED CALLA.**

Last June our firm received from South Africa a *Richardia*, said to be quite new, and producing flowers of a rosy-red color. This *Richardia*, which a few days ago produced its flower, proves to be quite distinct from all species of *Calla* hitherto introduced. The leaves are not sagittate, with basal lobes, as in all other *Callas*, but lanceolate,  $12\frac{1}{2}$  to  $15\frac{1}{2}$  inches long, and 2 to  $2\frac{1}{2}$  inches broad, bright pale green, without spots. The petioles are  $7\frac{1}{2}$  to  $11\frac{1}{2}$  inches long; the scape measures  $15\frac{1}{4}$  inches; the spathe is  $4\frac{1}{2}$  inches long, and of a much more elegant shape than in *R. albo-maculata*; the spathe is white, tinted with soft rose on both sides, but especially outside. The bud shows a well-marked rose color, so that one expects to see a rose flower; when expanded, the color proves to be changed into white with a pale rosy tint. The spadix, with the male and female parts, are nearly of the same structure as in *R. albo-maculata*. It is quite evident that the plant described above represents an entirely new type of *Calla*. The species in question, which was first brought under our notice by Mr. De Waal, from South Africa, is not so showy, perhaps, as the *R. albo-maculata* and the common *Calla*, but the introduction of this new species proves that there may shortly be expected a revolution in garden *Callas*, as most probably it is not the only species of the type with lanceolate leaves and rosy colored spathes.—*Ernest H. Krelage in Gardiner's Chronicle.*

**BLUE HYDRANGEAS.**

A writer in the *Gardener's Chronicle* says that when the common hydrangeas, *H. Hortensia*, are grown in pots, sulphate of iron added to the soil at the rate of one quarter of a pound to one bushel of ordinary compost, will give the desired blue color; and directly the flower heads show, the plants should have some alum water given them alternately with clear water, at the rate of one half ounce to one gallon of water. In supplying the plants with the latter there must be no lack of attention, the alum water must be continually supplied to the roots.

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## CHINESE SACRED LILIES.

I sit by my desk in the fading light,  
While the snowflakes flutter against the pane,  
And the sleeping day and the waking night  
Are passing in eastern and westbound train.  
And the firelight glimmers and gleams away  
To the waking night and the sleeping day.

My thoughts go wandering idly about,  
As an upturned boat may float on the sea,  
Till my lily-cups send an aroma out  
That brings back the past in a memory.  
And I watch the firelight glimmer and gleam  
While the flowers are weaving a golden dream.

Once more do they bloom on my desk as then,  
With their waxen petals so pure and white,  
In their golden cups do I find again  
The same sweet charm and the same old light;  
And there in the firelight's glimmer and glow  
I see all the faces of long ago.

Ah lilies, you've led me away, away,  
With your pure white petals and fragrance rare,  
To scenes that were bright as the dawning day  
And sweet as the hours of evening prayer.  
For the light of the fire may glow and gleam,  
But the breath of a flower may hold a dream.

—FLORENCE JOSEPHINE BOYCE.

**COLD WEATHER MISTAKES.**—Two errors of practice which inexperienced plant-growers are apt to fall into in the care of their plants in winter is giving too much water. At this season cloudy weather is apt to prevail and as a result plant growth is very slow, in many cases the plants are nearly dormant; leaf action is almost wholly suspended, and as a result there is little or no transpiration. Under these circumstances a very little water can be used by plants, and to give more than they need is only to cause the soil to sour and the roots to become diseased. The other error is to endeavor to force plants to bloom by means of a high temperature. There should be patience.

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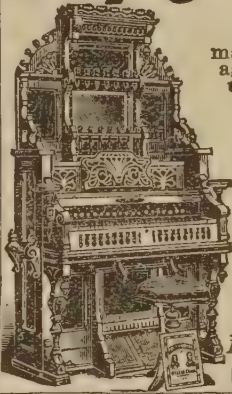
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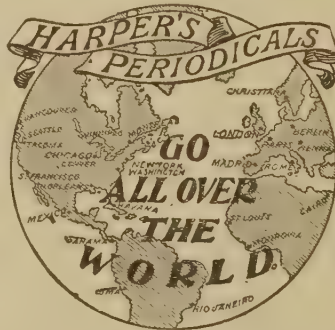
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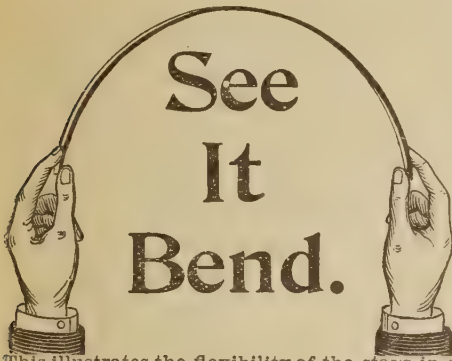
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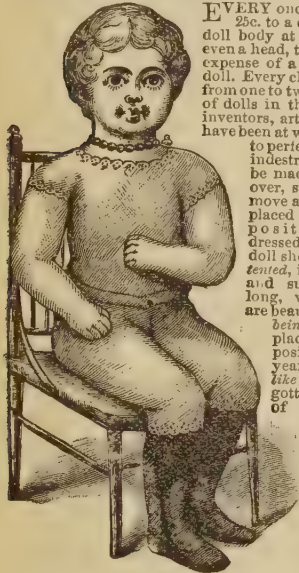
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## IRON-CLAD APPLES.

"Iron-clad apples for this country means not simply the power to resist the intense cold, for that alone would not be such a great injury to hardy apple trees, but as well the constitution to resist the violent changes that are characteristic of our country. These also include the blight caused by sudden and violent changes, and prolonged damp, moist weather. Consequently it is a very difficult matter to find a good list of apples that will really answer the requirements of iron-clad."

This description of the term iron-clad, which is made by S. W. Chambers in the *American Cultivator*, is a comprehensive one, and if varieties exist to which the term in its fullness can be applied the possessor of an orchard of such varieties would be fortunate. The term iron-clad was first given to varieties which could stand the severity of the winters in the colder parts of the country, and if it is now to be restricted to those kinds which can not only resist the lowest temperature but also the fungous diseases to which the apple is liable the number of varieties which are truly iron-clad must be very few. Mr. Chambers mentions only six. These are McMahon's White, Wealthy, Iowa Russet, Bethel, Northfield Beauty and Scott's Winter. His remarks in regard to them are as follows:

"McMahon's White is as true an iron-clad as any apple ever raised, and it is a large, handsome green fruit that sells well in any market. The trees come into bearing when quite young and they produce large crops of fruit. Its season of ripening is early winter, and the apples keep very well through cold weather. The Wealthy apple is one that is perfectly at home in the northern tier of States and in all parts of Canada. It is one of the few hardy apples that is generally cultivated. It must be gathered early, however, and be kept in a cool cellar. Iowa Russet is a descendant from the Golden Russet of Western New York, and is a variety that has not yet received sufficient attention. It is really a better apple than its parent, and keeps better and stands the test of cold weather better. The time will come when it will be cultivated more generally in the cold part of the country. The Bethel is an iron-clad apple that stands at the very head of desirable hardy apples, and it will be many years before it is surpassed. It is superior to the Baldwin in size, beauty, quality and keeping. It comes into bearing very slowly, and this fault makes many avoid it in planting. But if a good orchard is once obtained of them nothing better could be desired. Northfield Beauty is another good iron-clad that has a similar origin to that of the Wealthy, namely, a crab apple origin. It is a fair apple, but not so good as its cousin. Scott's Winter is a hardy variety that bears freely when young, but it is lacking the good qualities of some of the later-bearing ones mentioned."

Dr. Hoskins of Newport, Vermont, than whom there is no higher authority on this subject mentions as iron-clad the Yellow Transparent, St. Peters, Oldenburgh, Summer Harvey, Wealthy, Scott's Winter. Two other varieties which are of Russian origin, the Borsdorf and the Longfield, he also considers iron-clad.

Perhaps some of our readers may now have more information on this subject, as the result of longer experience, and can enlarge or criticize the lists here given. The subject is worthy of the most careful attention of apple-growers.



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**BULB GROWING IN HOLLAND.**

A correspondent of the Westminster (England) *Gazette* has been making a visit to Holland the past fall during bulb planting time. In one of the commercial gardens he has an interview with the head gardener as follows:

"There is a special art in bulb growing, Mr. R., will you tell me how to grow hyacinths successfully?" "Certainly, I will. It is not difficult nor a long process. Get good bulbs, even though they are a little more expensive than inferior ones. It pays best in the end, and twenty first-rate flower spikes on a garden bed make a better show than twice that number of second or third-rate flowers. Plant your bulbs in good ordinary garden soil, dug up with some inches of well decayed manure. Then put your bulbs three inches under ground, leaving a distance of five or six inches between them. Put a little sand round each bulb, and cover with soil. That is all, and if you cover your hyacinth bed during the winter with leaves, straw, or pulverized manure, you will find in March that you have hyacinths which, for beauty and fragrance, are superior to any other spring flowers."

"Are there no special hyacinths which are better than others for outdoor cultivation?" "No; we put all the different kinds into one parcel of mixed bulbs, and they are all equally good. But of course some of our customers prefer special kinds. There are a few leading varieties. For instance, if you want a bed of blue hyacinths in various shades, I should suggest King of the Blues, Czar Peter, Grand Maitre, Lord Derby and Prince of Wales. In red and rose colors, Lord Macauley, Von Schiller, Gertrude, Norma, Fabiola, and General Pelissier, are great favorites; and the best white varieties are La Grandesse, l'Innocence, Madame Van der Hoop, Mont Blanc, and La Candeur. Then there are a few fine yellow hyacinths, such as Ida, Obelisque, and King of the Yellows."

"About the tulips, Mr. R. I hear there is a craze for tulips." "I don't know about a craze, but sure it is that the tulip trade is greatly improving. Especially the rarer and newer varieties are much in request, and single bulbs are sold among growers for 2s. and 2s. 6d. I will write down a few of the names for your guidance, should you care to try tulips in your garden. The Queen of Holland is of a rose tint, touched with silver, a charming flower; Pottebakker is true scarlet, and the largest tulip grown. Jenny and Pink Beauty are rich pink, Joost Van der Vondel pure white, and Golden Queen is the largest of the yellow tulips. Then

there are all the early double tulips in infinite varieties. They are grown in the garden just like hyacinths, and I need not tell you what the effect is of a fine tulip bed or a clump of tulips among shrubbery in April and May. These flowers require no recommendation."

"But you must have hyacinths indoors, in glasses and pots. You want to watch them day by day as they unfold. It is an interesting process. First, then, about those in glasses. If you want them to flower about Christmas put them in at once; the rest later on. Fill a hyacinth glass with pure pond or rain water, and put a few grains of salt in each glass to keep the water clear. Let the bulb just touch the water with its lower surface. Put the glasses away in a cool dark place for four or five weeks, by which time the roots have grown strong. Then bring them into the light in a living room, but do not let them stand over the fire or in a dry atmosphere. Add a little water as the first supply evaporates, otherwise don't touch the bulb; and if the water becomes muddy it must be changed. This is all; for the rest the bulb takes care of itself."

"To grow hyacinths, or indeed any other bulbous plants for spring flowers in pots, you want good light soil; loam, with a liberal mixture of old cow manure, a little leaf mold and sand, is best. Provide drainage, and keep worms out. Then fill with soil, putting the bulb in the center, so as to allow the point to be on a level with the surface. Press the soil firmly down, water well, and cover the pots in an out-of-the-way corner of the garden for a few weeks. Then, when the roots are well advanced, put the plants in a greenhouse or room in the house where they are to flower. Place them near the light, keep well watered, and by February and March you will have hyacinths in perfection."

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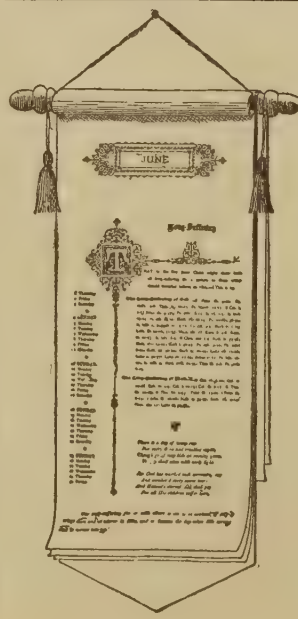
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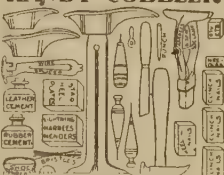
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### DINNER TABLE DECORATIONS.

Extracted from a paper by Mr. H. Dunkin in *Journal of Horticulture*.

The old method of using a considerable variety of color at each attempt is now almost extinct, and in many of the best decorations now carried out only one color is used in addition to that supplied by the greenery. Speaking generally, white may with advantage be added to almost any combination. When, however, a series of dinner parties are held which necessitate extensive decorations, it is policy, on several occasions, to keep to one color only, without even the addition of white. A more varied effect may in this way be produced with a given amount of materials than can be secured by any other means which I am aware of.

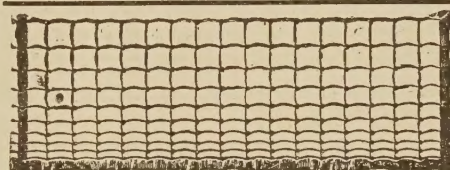
In selecting flowers for the purpose care should be taken to use only those which look well when seen under the influence of artificial light, unless, as is rarely the case, dinner is partaken of by daylight. The various shades of pink, rose, and scarlet are, I think, more telling under artificial light than any other colors or shades of color; certain it is that when well executed designs in which either of these colors—especially the two first-named—are employed, they command universal and, in some instances, enthusiastic admiration. Dark blue and purple flowers should invariably be avoided, but pale blue ones often look exceedingly pretty when arranged with soft yellow flowers or foliage, or when yellow colored silk is laid upon the cloth. I have frequently heard and read that yellow flowers are not effective when seen under artificial light. Some shades may not be, but I can scarcely imagine how we could well dispense with the fine clear yellow and bronzy yellow shades of chrysanthemums, which have a peculiar and delightful beauty of their own, and are, moreover, especially adapted for dinner table embellishments. Simple rules as to which colors harmonize with each other are useful to beginners, but those who have a correct eye for color should rely solely on that gift to guide them in the art of color-blending. They will then be able to work out many exquisite combinations of color, which those who rely principally upon a dogmatic code of rules can never imitate without running great risk of offending the more correct and sensitive optical organs of those with a good eye for color. When there is any doubt as to the appearance the colors intended for use will present under artificial light, the point may easily be settled by taking the various flowers into a darkened room to examine by the light—gas or lamp. Every gardener who has had a fair amount of experience in the arrangement of flowers for whatever purpose, is aware that a light feathery outline must be obtained to produce a good effect. It is therefore essential that crowding should at all times be avoided.

In almost all arrangements it is important to have a good proportion of small light flowers cut with long stems, such as spiræas, *Oncidium flexuosum*, *masdevallias*, *epacris*, cornflowers, *Gypsophila paniculata*, and a host of others possessing similar characteristics. When only medium sized glasses are used flowers of a heavy nature are quite out of place except in the case of those

which have a dish-like base. Where, however, massive stands or epergnes are used, flowers of a bold type, so long as they are thinly arranged, should be used.

I will therefore conclude by giving the outline of a design which is especially adapted for use during the chrysanthemum season. In this case no stands, glasses, or epergnes of any description will be required. First cover the center of the table with thick brown paper, then cut the outer edge of it into a series of serpentine sweeps, so as to avoid formality in outline. In the center, on an inverted pot, place a plant of *Pandanus Veitchii* or one of *Phoenix rupicola*. Next will come two candelabra, these to be followed by two graceful plants of *Cocos Weddelliana*, and two smaller plants of *pandanus* will be suitable for the two ends. Now cover the whole of the brown paper with fresh green moss, and raised mounds of it to cover the pots used. If the table is a rather wide one very small palms of more graceful kind may be dotted about here and there in each case, making a tiny mound to cover each pot. Next trace round the outer edge of the moss with some kind of colored foliage, and the most troublesome part of the work is completed. The remainder consists in dotting chrysanthemums, both large and small, at irregular intervals all over the moss, of course avoiding anything approaching crowding. Some of the Japanese kinds which have drooping petals should stand well above the moss, so as to display their fantastic beauty to the best advantage; this can easily be done if the stems are sharpened and thrust into the moss, an extra depth of which may be given at such points. Fronds of maidenhair and pteris ferns and a few small whorls of *Cyperus alternifolius* inserted here and there give a finishing touch to the whole. Anyone who has the opportunity to carry out this arrangement will, I am sure, be delighted with it, and the guests when seated round the table will find their eyes resting upon a scene which, for a moment, might take them in flights of fancy to the realms of fairyland.

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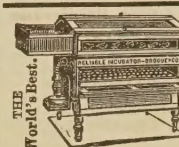
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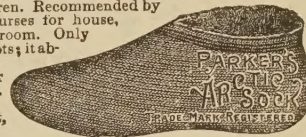
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### THIS, THAT AND THE OTHER.

Winter's here.

So's good cheer.

Now is the time to enjoy one's self, and plan for next season.

In planning for the future make use of the mistakes of the past.

Mistakes, properly understood, are often as beneficial as successes.

How suggestive of summer the plants in the window are!

And thinking of summer, give a few thoughts to the vegetable garden, as well as to the flowers.

The man who owns a little piece of land and doesn't grow at least a few vegetables, isn't wise.

No part of the farm pays better than the vegetable garden.

It pays, because the whole family gets good, as well as pleasure, out of it.

Only those who grow their own vegetables appreciate the great difference between fresh and stale ones.

No one appreciates the advantages of a garden more than the women of the household.

Why? Because it gives them a chance to introduce that variety into the daily bill of fare which always pleases the men of the family.

Therefore, talk over next summer's garden plans with the "good woman" and listen to and be profited by her suggestions regarding it.

Let the children help take care of the plants in the window.

Plants are good teachers and children are apt pupils.

The more a child,—or a grown person, for that matter,—studies plants and their habits, the more interested he is in them.

I want to see the boys growing flowers. It isn't right to give up all the good things of life to the girls.

Some boys are afraid they'll be laughed at if they own to a love for flowers. Don't worry about that, my boy! Those who laugh at you do so because of ignorance.

They do not know the pleasure, the profit, and the many good things that grow out of a friendship with the flowers. If they did, they'd become growers of them.

These long winter evenings ought to be made the pleasantest part of the year. There's no better time for study. With a warm fire and a good book one ought to be happy.

When the window-pane is frosty, and the fields and woods are white,

We can dream about the crocus reaching up towards the light.

We can fancy that the Snowdrop listens for the feet of Spring,

When she awakens for a moment from her winter slumbering.

Only think of what is waiting underneath the winter's snow

For the good time is surely coming and, a Chance

To  
Grow!

The catalogues will be coming in soon.

What delightful and perplexing things they are! You want all the charming things they tell about, but you know you can't have all of them, and it's so hard to make up your mind as to what you want most!

Never undertake more than you can successfully accomplish. What you do, do well.

If you have not tried *Coreopsis lanceolata* be sure to get a plant of it next spring. It is one of the best hardy plants of recent introductions. Its flowers are a nice yellow, borne on long stems which make them valuable for cutting. It's an all-the-season bloomer.

*Rosa rugosa* is a good thing. It has beautiful foliage, which takes on a brilliant show of color in fall, and the seed-vessels are quite as bright as its flowers are, and they make a pleasing bit of color in a winter landscape.

EBEN E. REXFORD.



### Lost his Position.

That really happened to a certain grocer's clerk, because he couldn't induce customers to take an inferior brand of washing powder in place of Pearline. The grocer said, "If you can't sell what I want you to sell, I don't want you." Now it doesn't take a very wise woman to decide whether this was an honest grocer. And a woman wise enough for that, would be likely to insist upon having nothing but Pearline. There is nothing "as good as" or "the same as" Pearline, the original—in fact, the only—washing-compound. If they send you something else, send it back. 399 JAMES PYLE, New York.

Speaking of winter landscapes, why is it that so little attention is given to combinations of plants with which pleasing color effects can be obtained in what we generally consider a colorless season of the year? There are great possibilities for the gardener who will study the art of making the garden gay in the winter. With the scarlet berries of the Alders, the plushy spikes of the crimson Sumach berries, the red and orange clusters of the Bittersweet, and many other shrubs and vines that retain their fruitage through the winter, we can produce effects that, seen against a background of evergreens across vistas of dazzling white snow, with a blue; blue sky over all, have in them a wealth of color that we little dream of until we get to thinking of the resources at hand. R.

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A clergyman, after years of suffering; from that loathsome disease, Catarrh, and vainly trying every known remedy, at last found a medicine which completely cured and saved him from death. Any sufferer from this dreadful disease sending his name and address to Prof. Lawrence, 88 Warren Street, New York, will receive the means of cure free and postpaid.

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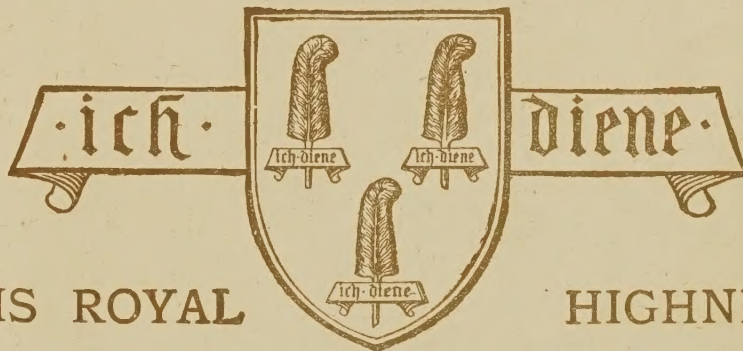


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TO HER MAJESTY

# THE QUEEN

AND



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Has discovered in one of our common pasture weeds a remedy that cures every kind of Humor, from the worst Scrofula down to a common Pimple.

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A benefit is always experienced from the first bottle, and a perfect cure is warranted when the right quantity is taken.

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No change of diet ever necessary. Eat the best you can get, and enough of it. Dose, one tablespoonful in water at bedtime. Read the Label. Send for Book.

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TO

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Took the Lead at  
The World's Fair,

The same as in Every State in the Union.

The three other favorites averaged (by the official report) ONLY 614 bushels, hill test, against "Maggie Murphy" 810!! and ONLY 433 bushels, field test, against "Maggie Murphy" 574!!!

Almost 33 1-3 per cent. More.

Shows that "Maggie Murphy" is

**THE LEADER.**

It is almost unnecessary to suggest that you grow it in 1894.

For full particulars see Vick's Floral Guide, 1894 (Ready January 1st).

**JAMES VICK'S SONS,**  
Rochester, N. Y.

Originators of the "Maggie Murphy" Potato.



## New Double Anemone, "Whirlwind."

In 1888 there was originated a single plant of a new double White Anemone as the result of a cross, by some kind bee carrying the pollen between the single White Anemone and the semi-double Pink variety. This we have been industriously improving and increasing ever since, and have now sufficient plants to offer it for the first time as the leading novelty of 1894. It has proven by five years trial to be permanent and PERFECTLY HARDY. This is a great advantage, for the Japan Anemone is a most desirable plant, especially for cemetery planting, where it is often inconvenient to give winter protection, and the new form can be especially recommended for this purpose.

In habit the plant is like the well-known White Japan Anemone; the same strong growth and healthy foliage, and perhaps even more abundantly blooming. The flowers, which are 2½ to 3 inches across, have several rows of white sepals, and the blooms last much longer than those of the single variety. The plants grow quite evenly in height, from 2½ to 4 feet, and with large and plentiful foliage. In a word, it may be said that this new double variety, which has been named "Whirlwind," has all the free blooming and other good qualities of the Single White and the additional ones of great hardiness of plants, while the blooms are more lasting. These characteristics are decided advantages, and must make a demand for it on all ornamental grounds.

Strong Plants ready for blooming, 30 cents each; three for 75 cents.

## Vick's Floral Guide, 1894.

On front cover is a true life-size colored plate of Vick's Branching Aster, and on back cover is a colored plate of the new Double Anemone, with a background of gold over all—a very artistic and chaste cover; also colored plates of Chrysanthemums, Poppies, and Vegetables. The novelty pages are printed in eight different colors, something entirely new, and filled with descriptions of many new flowers and vegetables. If you want to economize buy Vick's Seeds, they go farther, do better, and are the best.

VICK'S FLORAL GUIDE for 1894 will be mailed to all customers of 1893 free of cost between now and January 20th. Those in the Southern States and California will receive a copy before January 1st. If not received by these dates drop us a line. To all others the GUIDE will be sent on receipt of ten cents, which is not one-half the cost, and which may be deducted from the first order. Address

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